

Serial No.: 09/747,207

PU000168

Listing and Amendments to the Claims

Please cancel claim 10.

1. (Previously Presented) An apparatus for retaining a damper wire on a grill type mask assembly in a cathode ray tube comprising:

a grill type mask assembly having a frame and a mask;
a bimetal damper spring comprising a first metallic layer disposed on a second metallic layer, said bimetal damper spring having a first and an opposing second end, wherein said second end is coupled to said frame and said first metallic layer is formed of a different material than said second metallic layer; and

a tab affixed to said bimetal damper spring and adapted to accept said damper wire that traverses the mask, said damper wire being coupled between said tab and said bimetal damper spring.

2. (Cancelled)

3. (Original) The apparatus of claim 1, wherein said first metallic layer comprises carbon steel.

4. (Original) The apparatus of claim 1, wherein said second metallic layer comprises stainless steel.

5. (Previously Presented) The apparatus of claim 1, wherein said first metallic layer is disposed on an inner surface of said bimetal damper spring for allowing the bimetal damper spring to curl inward and unload the damper wire during high temperature processing.

Serial No.: 09/747,207

PU000168

6. (Previously Presented) The apparatus of claim 1, wherein the second metallic layer is disposed on an outer surface of said bimetal damper spring for allowing the bimetal damper spring to exert tension on the damper wire during normal operating temperature.

7. (Previously Presented) The apparatus of claim 1, wherein the first end of the bimetal damper spring is structured having a curvature perpendicular to the first end of the bimetal damper spring, for allowing the damper wire attached to the tab to have a controllable elevation with respect to the mask.

8. (Previously Presented) The apparatus of claim 1, wherein the damper wire is coupled between the tab and the bimetal damper spring by welding the damper wire to the tab and the bimetal damper spring.

9. (Previously Presented) The apparatus of claim 1, wherein said damper wire is coupled to the tab by looping the wire around the tab and wedging the damper wire in a crotch between the tab and the bimetal damper spring.

10. (Cancelled)

11. (Previously Presented) A grill type mask assembly in a cathode ray tube, comprising:

a frame;
a mask, including strands, disposed within said frame; and
a damper spring coupled to said mask including a portion formed by a first layer having a first coefficient of thermal expansion coupled to a portion formed by a second layer having a higher coefficient of thermal expansion, said second layer substantially covering said first layer on a side of said damper spring facing away from said mask and coupled to said mask through said first layer arranged therebetween for varying a tension in said damper spring to

Serial No.: 09/747,207

PU000168

compensate for changes induced by corresponding changes in temperature within said cathode ray tube.

12. (Original) The apparatus of claim 11, wherein said first and second layer are coupled to form a bi-metal arrangement.

13. (Original) The apparatus of claim 11, wherein a damper wire that traverses the mask is coupled to said first and second layers that compensate for a change in a length of said damper wire induced by temperature changes.

14. (Original) The apparatus of claim 13, wherein a tab is formed on said damper spring and adapted to accept said damper wire.

15. (Original) A method of attaching a damper wire to a mask assembly of a cathode ray tube, comprising:

looping the damper wire between a tab and a damper spring that is attached to the mask assembly; and

securing said looped wire in a crotch between the tab and the damper spring.